AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A system for transmitting data between a local data processing device and a remote data processing device through an asynchronous transmission channel for use with distributed objects in the field of automation technology, said system comprising:

a memory assigned to the local data processing device for storing at least one ~~predefinable~~user-specified parameter to identify a call sent by a first program of the local data processing device to a second program of the remote data processing device to solicit data from the second program of the remote data processing device;

means for integrating the ~~predefinable~~user-specified parameter into response data sent by the remote data processing device to the local data processing device;

means for identifying the ~~predefinable~~user-specified parameter in the response data; and

means for synchronizing the response data such that by identifying the ~~predefinable~~user-specified parameter in the response data, the response data of the second program of the remote data processing device is integrated into the first program of the local data processing device; and

an asynchronous transmission channel transmitting data between the local data processing device and the remote data processing device.

2. (currently amended): A system as claimed in claim 1, further comprising:

means for comparing the stored ~~predefinable~~user-specified parameter stored in said memory of the local data processing device with the ~~predefinable~~user-specified parameter contained in the response data.

3. (original): A system as claimed in claim 1, wherein the first program of the local data processing device is a user program and the second program of the remote data processing device is a server program.

4. (original): A system as claimed in claim 1, wherein the system is used in the field of automation technology to operate and monitor programmable controllers.

5. (original): A system as claimed in claim 4, wherein the program controllers are selected from the group comprising, stored program controllers, numerical controls and numeric drives.

6. (currently amended): A system as claimed in claim 1, wherein the ~~predefinable~~user-specified parameter is formed at least from parts of the IDL (Interface Definition Language) and is transmitted by the first program to the second program.

7. (original): A system as claimed in claim 1, wherein the system is used in connection with client applications in embedded systems.

8. (original): A system as claimed in claim 7, wherein, the embedded systems are DCOM (Distributed Component Object Model) systems.

9. (original): A system as claimed in claim 1, wherein the second data processing device stores the predefined parameters received from the first data processing device on a stack and restores the predefined parameters before a callback is sent to the first data processing device.

10. (original): A system as claimed in claim 1, wherein a user callback is constructed identically to an original call.

11. (currently amended): A method for transmitting data between a local data processing device and a remote data processing device through an asynchronous transmission channel for use with distributed objects in the field of automation technology, said method comprising:

integrating a ~~predefinable~~user-specified parameter into a call of a first program of the local data processing device sent to a second program of the remote data processing device via the asynchronous transmission channel to solicit data from the second program, wherein the ~~predefinable~~user-specified parameter identifies the call and is stored in the first data processing device;

integrating the ~~predefinable~~user-specified parameter in the response data of the remote data processing device sent to the local data processing device via the asynchronous transmission channel in response to the call;

identifying the response data transmitted by the remote data processing device to the local data processing device in the first data processing device by observing the ~~predefinable~~user-specified parameter;

integrating the response data by identifying the ~~predefinable~~user-specified parameter into the first program of the local data processing device.

12. (original): A method as claimed in claim 11, further comprising:

comparing the parameter contained in the response data with the stored parameter.

13. (currently amended): A method as claimed in claim 11, wherein the ~~predefinable~~user-specified parameter is formed at least from parts of the IDL (Interface Definition Language) transmitted by the first program to the second program.

14. (original): A method as claimed in claim 11, wherein the method is used in connection with client applications in embedded systems.

15. (original): A method as claimed in claim 11, wherein the embedded systems are DCOM (Distributed Component Object Model) systems.

16. (original): A method as claimed in claim 14, wherein the second data processing device stores the parameters received from the first data processing device on a stack and restores the parameters before a callback is sent to the first data processing device.

17. (original): A method as claimed claim 11, wherein a user callback is constructed identically to an original call.

18. (currently amended): An automation device comprising:

a local data processing device ~~for~~ transmitting data through an asynchronous transmission channel for use with distributed objects in the field of automation technology;

a memory for storing at least one ~~predefinable~~user-specified parameter to identify a call sent by a first program of the local data processing device to a second program of a remote data processing device to solicit data from the second program of the remote data processing device;

means for integrating the ~~predefinable~~user-specified parameter in response data sent by the remote data processing device to the local data processing device;

means for identifying the ~~predefinable~~user-specified parameter into the response data; and

means for synchronizing the response data such that by identifying the ~~predefinable~~user-specified parameter in the response data, the response data of the second program of the remote data processing device is integrated into the first program of the local data processing device.

19. (original): An automation device as claimed in claim 18, further comprising:

means for comparing the parameter stored in memory of the local data processing device with the ~~predefinable~~user-specified parameter contained in the response data.

20. (original): An automation device as claimed in claim 18, wherein the first program of the local data processing device is a user program and the second program of the remote data processing device is a server program.

21. (original): An automation device as claimed in claim 18, wherein the automation device is used in the field of automation technology to operate and monitor stored program controllers, numerical controls or numerical drives.

22. (original): An automation device as claimed in claim 18, wherein the ~~predefinable~~user-specified parameter is formed at least from parts of the IDL (Interface Definition Language) transmitted by the first program to the second program.

23. (original): An automation device as claimed in claim 18, wherein the automation device is used in connection with client applications in embedded systems.

24. (original): An automation device as claimed in claim 23, wherein the embedded systems are DCOM (Distributed Component Object Model) systems.

25. (new): The system according to claim 1, wherein the asynchronous transmission channel comprises a forward channel forwarding data from the local data processing device to the remote data processing device and a reverse channel forwarding the data from the remote data processing device to the local data processing device, wherein the forward channel and the reverse channel are not synchronized with each other.

26. (new): The system according to claim 25, wherein the forward channel functions independently from the reverse channel.

27. (new): The system according to claim 1, wherein the local data processing device and the remote data processing device are configured to receive and send the data at the same time.

28. (new): The system according to claim 1, wherein the call is sent separately from other calls of the local data processing device.